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NOV 1976

vol. 20  
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# PAARA

## Graphs



palo alto  
AMATEUR  
RADIO ASSN.

MENLO PARK C.D. RADIO CLUB, K6YQT

VOLUME 20

NUMBER 10

NOVEMBER 1976

PAARAgaphs is the official organ of the PALO ALTO AMATEUR RADIO ASSN.  
and the MENLO PARK CIVIL DEFENSE RADIO CLUB

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## POLICIES

PAARAgaphs is destinated freely to all members who have  
joined for the insignificant sum of \$4 per calendar year.  
PAARAgaphs only is mailed for a mere \$1 for twelve issues.  
Send monies or negotiable securities to cover the above to:  
PAARA P.O. Box 911 Menlo Park, CA 94025

## STAUGH

Editor-in-Chef.. Terry Conboy  
Cover Artistette..Sue Lindner  
Other difficult chores..Fred Canham and Ed Fairbanks

OUR EXCITING NOVEMBER MEETING will feature your editor-in-chef cooking up a session designed to put us all in the right place and in the right place only with respect to the radiative qualities of the magnificently designed but poorly adjusted equipment we know and love to communicate upon. Bill H. and David P. will referee the affair. Be self contained and in operating condition, please. Club members will get first priority, especially those with "SECRET CHANNEL" capability.

In addition, a mudslinging campaign and annual election will be forthcoming to determine the rulers of PAARA for the following year.

And the usually fine array of pleasant company and epicurian approved refreshments will accompany the above festivities, as well as the famous PAARA raffle.

All happening on November 5, 1976 at 7:30 PM at the Menlo Park Recreation Center. A FRIDAY, of course.

[illegible]

THE BOARD OF DIRECTORS will persue their high level discussions of the utmost import on the following WEDNESDAY, November 10 at 7:30 PM in the world's most famous example of oxidized pre-Cambrian fossil communications trailers at SRI. The PAARA Christmas party will be completely dissected and given a complete ressurection and other fine things. (The price slasher will be there, hackin' and hewin'.)

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PAARA's MOST NOTORIOUS MONOPOLY SWITCH NETS are rumored to be held each MONDAY night. Firstly, a few people who have not "gotten with it" still have a penchant for operating on  $145.24 \pm 0.03$  on Antiquated Modulation, complete with full carriers at the early hour of 8:15 PM. After one or two transmissions ( or was it a differential) have been made, the elite people, who can actually hear each other, coagulate on Futuristic Modulation on 147.45 MHz at 8:30 PM local time. The great topic of heated discussion seems to be centered around who it is that is next on the sacred list. Join them, and perhaps they may even put you on the scroll. (Or even decide to eliminate it!)

# AND NOW A WORD FROM YE OLDE FORMER EDITOR

The Cambridge area is certainly different from the Bay Area, especially weather wise. But Harvard Square is similar in many respects to the Cannery or even Market Street in San Francisco; with its street musicians, a multittude of strange shops and restaurants, and the normal amount of weird-o's walking the street urging you to buy this or that pamphlet.

Needless to say, the research facilities and library system are nothing short of awesome. Once you get yourself plugged into the way things work around here, you have access to almost anything ever written.

Living in a 150-year old hall, surrounded by trees and the Peabody Museum, and attempting to string up some kind of antenna, for guess what, was quite a challenge. However, I talked a poor freshman undergrad into tossing a rock (with string attached) up over a tree limb over Divinity Avenue, and we put the good old #22 from my second-story window to said tree. Fortunately, the rock missed Peabody's glass flower collection and the windshield of a telephone company truck parked nearby!

You wouldn't believe the Europeans that blast in here; they're crawling up and down 20 Meters like the proverbial Japanese do in California.

Two Meter activity is high in the area, although Boston machines don't make it too well into my 19" whip (the 5/8th wave Larsen hasn't come yet--UPS is on strike in Massachusetts, grrr). 04-64, 19-79, and 28-88 are at least Q-5, and I can key up their machines with low power.

I built up a neat little handie-talkie from a VHF Engineering xmtr kit and a Radio Shack UHF pocket scanning receiver, converted to two meters. If I ever find the time I'll write it up for PAARAgaphs and maybe 73. It's the first scanning HT I've seen, very selective and sensitive. Now if Tandy Company would only send crystals that oscillated reliably....!

The Harvard Wireless Club (a suitably pompous name, although it was founded in 1909!) has a very nice station--Collins S-Line and NCL-2000 linear, plus some Heath gonk, all into a tribander up 70 feet. Dipoles on 40 and 80. I immediately became a member, have 24 hour access to the station, and even got their ancient RTTY setup working again. If any club members want to make a sked, get in touch with Gerry, W6NIR, who has all the scoops on freqs. I trust the wonderful FAARA net is still kicking around on 147.45--and guess what frequency

(over to Page 5)



Harvard Hello continued.....

I'm trying to organize as a simplex inter-University channel for the many two meter hams around here?

Am anxious to hear how the flea-market/auction went over. Wish I could have been there to help sell yet another WWII radar jammer to some poor innocent CB'er. There are reportedly many flea markets around Boston, I hope to get some time to visit them. Wonder if their junk dates back to the Colonial days, instead of just the Civil War and the Goldrush!?

Enough babbling for now. Please rush PAARAgaphs to my new official address. I know that reading about Andy's latest "extemporaneous" programs and Fred's dire predictions will make me miss the club all that much more.

Best 73. Rick WA6NCX/1

(I knew he couldn't write a whole letter without using the word  
GONK! -- ed.)

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THE FABULOUS PAARA AUCTION AND FLEA MARKET was a smashing success, in a financial way, at least. Many big bucks were forthcoming from people's pockets, and provided a healthy augmentation to our club treasury. Here, from W6QBY is the detailed gonk.

Total auction sales.....	\$897.00	
Auction sales of PAARA items....	<u>\$ 76.00</u>	\$ 76.00
Sales subject to commission.....	\$821.00	
10% commission.....		\$ 82.10
Flea Market table sales.....		\$ 63.00
Sales of PAARA flea market items.....		\$146.45
Raffles Ticket sales.....		\$ 76.00
Refreshment Kitty.....		\$ 82.45

Total Income .....	\$526.00
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Refreshment Expense (less remaining useable)... \$ 64.00

Net Income from Auction/Flea Market,..... \$462.00

Thanks to all the guys who spent many hours and exerted great quantities of energy to make the event the success it was!

## ITEMS FOR SALE OR TRADE OR WANTED OR OTHER THINGS OF THAT ILK

For sale-- Yaesu FT-101 with CW filter, fan, and mobile mike,  
covers 160 through 10... \$475. Heath SB200 linear.. \$200.  
Yaesu Speaker-Patch.. \$42. Atlas Console AC Supply.. \$80.  
Shure 444 Microphone.. \$18. or make an offer...  
And wanted, a Drake MN-4 Matchbox and a Triton IV.  
Contact Charles Chernack, WB6WFW, 1034 East Rose Circle, Los Altos,  
CA 94022. Phone is 968-4530.  
(Editor's note..I say you're invited to our meetings!)

And rumors afoot that the famous Contra Costa Sheriff Jammer is possibly being offered for clandestine sale! Send your offer for this valuable bit of a man's life to W6BFH, in a plain brown wrapper. CB'ers need not apply.

I guess that the PAARA auction is more popular for selling things than this spot in PAARAgaphs. But the best things in life are free. Copy to 1117 Lyons Street, Redwood City, CA 94061.

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YOUR EDITOR-IN-CHIEF wonders whether there are any other strange people who are interested in possible communications in the unlicensed band from 160 to 190 kHz. Part 15.112 of the FCC rules and regs allows operation in this frequency range with a transmitter input power of 1 whole watt input and an antenna plus feedline length of 15 meters (49.2 feet). The only other requirement is that emissions outside of this band be suppressed by at least 20dB. Apparently most of the work on this band is on 181.5 kHz. It would be very interesting to try the coherent CW techniques on this frequency and perhaps even try a bit of coherent-synchronous RTTY, possibly using PSK (phase shift keying) instead of the more common FSK, since PSK has a theoretical 3dB advantage. Three dB may not sound like much, but with the low power and the inefficient antennas permitted, it might make all of the difference in the world.

Direct conversion techniques would be very easy to implement for receivers and transmitters should be quite simple, too. Let your editorship know if you are equally out of your technical mind! (See QST, January 1974, page 19.)

BOARD OF DIRECTORS MEETING for OCTOBER was held the 13th

PRESENT: K6FS, K6YT, Walt H., W6BFH, and WB6GRZ

**BUSINESS:**

AUCTION--About 15 lots of an average of five items each were put on the block. Had 165 buyers registered. We apparently had many unregistered people. W6BFH gave us a written report on the refreshments to help in planning the next auction.

1976 OFFICERS--K6FS has agreed to be on the ballot as the presidential candidate. Still no one willing to serve as secretary.

CHRISTMAS PARTY--San Carlos CD Radio Club has opted not to help with the arrangements this year (again!) It was decided to again have a dinner type party at a moderate price (read cheap) if it is possible to find a suitable location.

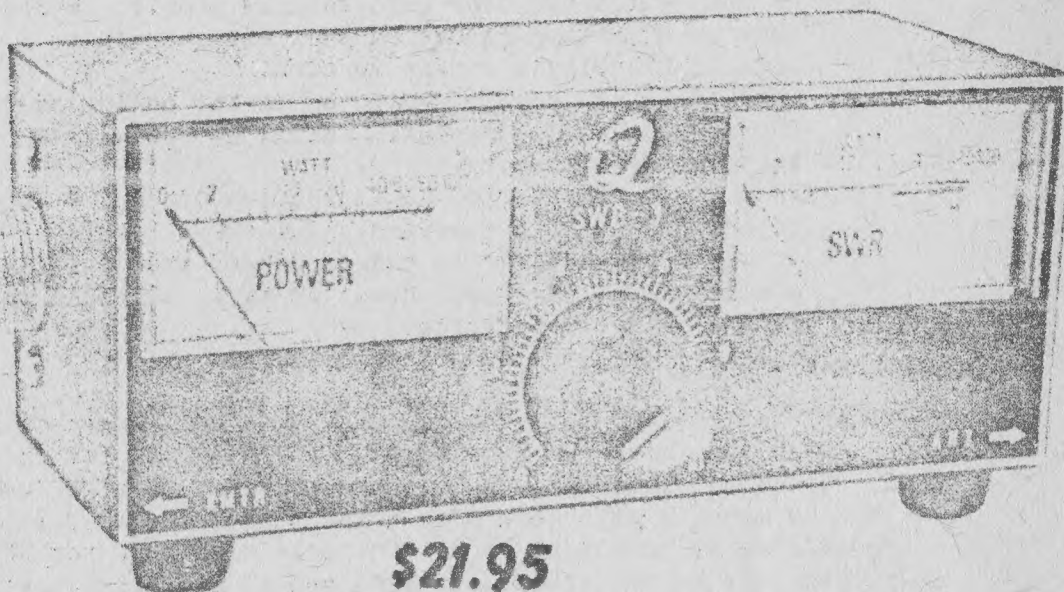
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SAN JOSE BICENTENNIAL AWARD is being offered by SCCARA (Santa Clara County ARA). You must get 200 points to be eligible for the award. Stations inside Santa Clara county must work at least ten SCCARA members at 5 points each and other 6 area stations must work five at 10 points each. Contacts with W6UU xor W6UW are 10 pts. for inside county stations and 20 pts. for other Californians. Contacts with other Santa Clara County stations are worth 1 point to inside county operators and 2 points to other 6's. Repeater contacts do not count (except OSCAR) and a station can be counted only once, regardless of band or mode. Contacts must have been made between July 1 and December 31 of this year. Send \$1 and a list of stations, names, dates, times and modes to Club Secretary, SCCARA, P.O. Box 6, San Jose, CA 95103 to receive an award.

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THE HOMEBREW COMPUTER CLUB meets at the SLAC auditorium at 7 PM . Meetings during November are on Fridays: the 12th and 26th. They have a nice newsletter available for a donation to P.O. Box 626, Mountain View, CA 94042. This will be of interest to the hobby computer nuts among you. The meetings are unusual, to say the least. Their software library is extensive.

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